



Wednesday 30 August

11:00	Registration, Tea and Coffee	
12:00	Lunch	
12:45	Welcome and Introductions Duncan Graham, <i>Chair of Scientific Committee</i>	
12:55	Outline of Discussion Format <i>Royal Society of Chemistry Publishing Editors</i>	
13:00	Introductory Lecture (Session Chair:) Richard Van Duyne <i>Northwestern University</i>	
	Session 1 - Theory of SERS enhancement Jeremy Baumberg, <i>University of Cambridge</i>	
14:00	Linking classical and molecular optomechanics descriptions of SERS Javier Aizpurua <i>Center for Materials Physics in San Sebastian (CSIC-UPV/EHU)</i>	Paper 13988
14:05	Monitoring plasmon coupling and SERS enhancement through <i>in situ</i> nanoparticle spacing modulation Leonora Velleman <i>Imperial College London</i>	Paper 14162
14:10	Plasmonic enhancement of SERS measured on molecules in carbon nanotubes Stephanie Reich <i>Freie Universität Berlin</i>	Paper 14164
14:15	Discussion	
15:30	Afternoon tea	
16:00	The theory of surface-enhanced Raman scattering on semiconductor nanoparticles; toward the optimization of SERS sensors John Lombardi <i>City College of New York</i>	Paper 14065
16:05	Novel routes to electromagnetic enhancement and its characterisation in surface- and tip-enhanced Raman scattering Paul Dawson <i>Queens University Belfast</i>	Paper 14168
16:10	Theoretical modeling of voltage effects and the chemical mechanism in surface-enhanced Raman scattering George Schatz <i>Northwestern University</i>	Paper 13993
16:15	Discussion	
17:30	Lightning presentations (by invitation of the scientific committee)	
18:00	Poster Session and Wine Reception (Odd numbers)	
19:30	Close of sessions	

Thursday 31st August

	Session 2 - Ultrasensitive and towards single molecule SERS <i>Joshua Edel, Imperial College London</i>	
09:00	Plasmon induced polymerization using a TERS approach: a platform for nanostructured 2D/1D material production Volker Deckert <i>Friedrich Schiller University Jena</i>	Paper 13990
09:05	First demonstration of Surface Enhanced - Stimulated Raman Spectroscopy (SE-SRS) using low-power CW sources Kevin Hewitt <i>Dalhousie University</i>	Paper 14160
09:10	The effect of STM parameters on tip-enhanced Raman spectra Natalia Martin Sabanes <i>Max Planck Institute for Polymer Research</i>	Paper 14166
09:15	Discussion	
10:30	Morning Tea	
11:00	Imaging out-of-plane polarized emission patterns on gap mode SERS substrates: from high molecular coverage to the single molecule regime Kallie Willets <i>Temple University</i>	Paper 13995
11:05	Electrochemical control of strong coupling states between localized surface plasmons and molecule excitons for Raman enhancement Kei Murakoshi <i>Hokkaido University</i>	Paper 14104
11:10	SERS-active metal-dielectric nanostructures integrated in microfluidic devices for label-free quantitative detection of miRNA Fabrizio Giorgis <i>Politecnico di Torino</i>	Paper 14138
11:15	Discussion	
12:30	Lunch	
	Session 3 - SERS in biology/biomedical SERS <i>Karen Faulds, University of Strathclyde</i>	
13:30	Quantitative detection of isotopically enriched <i>E. coli</i> cells by SERS Roy Goodacre <i>University of Manchester</i>	Paper 13991
13:35	Gold Nanodome SERS platform for label-free detection of protease activity Pieter Wuytens <i>Universiteit Gent-imec</i>	Paper 14110
13:40	Discussion	
14:30	Afternoon Tea	
15:00	Real-time dynamic SERS detection of galectin using glycan-decorated gold nanoparticles Judith Langer <i>CIC biomaGUNE</i>	Paper 13992
15:05	Fast and reproducible iSERS microscopy of single HER2-positive breast cancer cells using gold nanostars as SERS nanotags Sebastian Schlücker <i>Universität Duisburg-Essen</i>	Paper 14156

15:10	Dynamic SERS nanosensor for neurotransmitter sensing near neurons Jean Francois Masson <i>Universite de Montreal</i>	Paper 14154
15:15	What do we actually see in intracellular SERS? Investigating nanosensor-induced variation Sumeet Mahajan <i>University of Southampton</i>	Paper 14106
15:20	Discussion	
17:00	Poster session and Wine Reception (Even numbers)	
19:00	Conference Dinner	

Friday 1st September

	Session 4 – Analytical SERS <i>Jürgen Popp, Leibniz Institute of Photonic Technology</i>	
09:00	Further expanding versatility of surface-enhanced Raman spectroscopy: from non-traditional SERS-active to SERS-inactive substrates and single shell-isolated nanoparticle <i>Zhong-Qun Tian</i> <i>Xiamen University</i>	Paper 13994
09:05	Shell isolated nanoparticles for enhanced Raman spectroscopy studies in lithium–oxygen cells <i>Laurence Hardwick</i> <i>University of Liverpool</i>	Paper 14082
09:10	Quantitative SERS by hot spot normalization – Surface enhanced Rayleigh band intensity as an alternative evaluation parameter for SERS substrate performance <i>Peter Vikesland</i> <i>Virginia Tech</i>	Paper 14163
09:15	Smart supramolecular sensing with cucurbit[n]urils: probing hydrogen bonding with SERS <i>Oren Scherman</i> <i>University of Cambridge</i>	Paper 14169
09:20	Discussion	
11:00	Morning Tea	
11:30	Quantitative surface-enhanced Raman spectroscopy of single bases in oligodeoxynucleotides <i>Steven Bell</i> <i>Queens University Belfast</i>	Paper 13989
11:35	Plasmonic response and SERS modulation in electrochemical applied potentials <i>Giuliana Di Martino</i> <i>University of Cambridge</i>	Paper 14063
11:40	Reassessing SERS enhancement factors: using thermodynamics to drive substrate design <i>Jason Guicheteau</i> <i>USA RDECOM Edgewood Chemical Biological Center</i>	Paper 14077
11:45	Discussion	
13:00	Concluding Remarks Lecture (Duncan Graham) <i>Marc Porter</i> <i>University of Utah</i>	
13:40	Acknowledgements	
13:45	Close of meeting and Lunch	

Presenting authors are indicated in the programme by an underline. The affiliation is for the presenting author. If the presenting author of your paper has changed since abstract selection please email events@rsc.org. Please note that this is a draft programme and timings may change.